

Abstract

Adaptive cruise control (ACC) system for motor vehicles is provided, the ACC system having a sensor system for acquiring data concerning a target object and the own (host) vehicle, an actuator system for controlling the longitudinal movement of the vehicle, and a controller that intervenes in the actuator system within certain intervention limits in order to maintain a defined, controlled target distance from the target object, and an output device for issuing a take-over request to the driver if the controlled target distance cannot be maintained. The ACC system further includes a prediction system for predicting a conflict situation in which the controlled target distance cannot be maintained, in which case the take-over request is initiated before the conflict situation actually occurs.